

AMENDMENTS TO ABSTRACT

Please replace the abstract of the disclosure with the following amended abstract.

A replacement sheet (clean copy) for the new abstract is also submitted herewith.

ABSTRACT OF DISCLOSURE

The acoustic signal transmission includes ~~is based on generating a synthesized sound electrical signal by electrically synthesizing an audible sound signal and an insertion another signal different than the audible sound signal to generate a synthesized sound electrical signal~~ at the sending side, and transmitting the synthesized sound electrical signal, and extracting the insertion another signal different than the audible sound signal form the synthesized sound electrical signal at the receiving side. The extracted signal may be used for controlling machines or for transmitting information. ~~Here, generation of the synthesized sound electrical signal is made by suing a data hiding technique, for example. Accordingly, the~~ The acoustic signal represented by the synthesized sound electrical signal can be heard by human ears in the same way as the audible sound signal, while ~~and~~ the synthesized insertion another signal cannot be detected by human ears. ~~The Here, the~~ synthesized sound electrical signal can be transmitted as a sound wave in air space, as electrical signal through a transmission line or as radio signals such as infrared and electromagnetic waves. The synthesized sounds may also be transported or distributed ~~It is also possible to transport or distribute the synthesized sounds by recording on recording media such as compact disc and DVD.~~ ~~Also, using the signal extracted form the synthesized sound electrical signal, applications~~

~~such as controlling machines such as robot, transmitting text data such as information for
car navigation systems, computer network addresses and commercial business
information.~~

Attachment: ABSTRACT OF DISCLOSURE (Replacement Sheet)